Name of work: IMPROVEMENTS AND ASPHALTING TO CROSS ROADS AT AGRAHARA LAYOUT INSTEAD OF KOGILU LAYOUT IN WARD NO 05

Work order No & Date:EE/Project/YNK Zone/WO/49/17-18, 04-08-2017 | EMB No:

Date of Measurement : 06/08/2017 to 28/08/17 | Date of Pre-measurement :

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
7	KSRRB M500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder a and filler, transporting the hot mix to work site, laying with a paver finisher with to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 509 complete in all respects as per specifications. using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-ll (30 mm to 45 mm) with 5.4% VG-30 Bitumen							
	4th Main Road from Park Road (Water tank)							
	Ch:0.00m to 13.20m Approach		1	13.20	(5.90 + 6.00)/2	0.04	3.14	
	Ch:0.00m to 6.00m		1	6.00	(8.00 + 5.00)/2	0.04	1.56	
	Ch:6.00m to 36.00m		1	30.00	(5.00 + 4.90)/2	0.04	5.94	
	Ch:36.00m to 66.00m		1	30.00	(4.90 + 4.90)/2	0.04	5.88	
	Ch:66.00m to 96.00m		1	30.00	(4.90 + 5.20)/2	0.04	6.06	
	Ch:96.00m to 112.50m		1	16.50	(5.20 + 5.20)/2	0.04	3.43	
	9th Cross Road from agrahara Layout Main Road							
	Ch:0.00m to 30.00m		1	30.00	(4.80 + 4.20)/2	0.04	5.40	
	Ch:30.00m to 60.00m		1	30.00	(4.20 + 4.40)/2	0.04	5.16	
	Ch:60.00m to 90.00m		1	30.00	(4.40 + 4.20)/2	0.04	5.16	
	Ch:90.00m to 120.00m		1	30.00	(4.20 + 4.30)/2	0.04	5.10	
	Ch:120.00m to 146.00m		1	26.00	(4.30 + 4.00)/2	0.04	4.32	C/R
	Ch:150.60m to 180.60m		1	30.00	(4.70 + 4.50)/2	0.04	5.52	
	Ch:180.60m to 207.60m		1	27.00	(4.50 + 4.40)/2	0.04	4.81	C/R
	Ch:212.10m to 242.10m		1	30.00	(4.60 + 4.10)/2	0.04	5.22	
	Ch:242.10m to 268.10m		1	26.00	(4.10 + 4.60)/2	0.04	4.52	
	10th Cross Road from dead end to agrahara Layout Main Road							
	Ch:0.00m to 30.00m		1	30.00	(4.60 + 4.30)/2	0.04	5.34	

E.E. (Project)

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EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010
M/s KRIDL

Asst Engineer

Newzen Consultants Bangalore

Consultant (PMC)

Asst Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch:30.00m to 57.30m		1	27.30	(4.30 + 3.90)/2	0.04	4.48	C/R
	Ch:62.30m to 92.30m		1	30.00	(4.40 + 4.60)/2	0.04	5.40	
	Ch:92.30m to 118.90m		1	26.60	(4.60 + 4.20)/2	0.04	4.68	
	Ch:124.10m to 154.10m		1	30.00	(3.40 + 4.20)/2	0.04	4.56	
	Ch:154.10m to 184.10m		1	30.00	(4.20 + 4.60)/2	0.04	5.28	C/R
	Ch:189.10m to 219.10m		1	30.00	(4.40 + 4.30)/2	0.04	5.22	
	Ch:219.10m to 249.10m		1	30.00	(4.30 + 4.10)/2	0.04	5.04	
	Ch:249.10m to 279.10m		1	30.00	(4.10 + 4.30)/2	0.04	5.04	
	Ch:279.10m to 301.80m		1	30.00	(4.30 + 4.20)/2	0.04	5.10	
	Ch:301.80m to 303.80m		1	30.00	(4.20 + 5.60)/2	0.04	5.88	
	11th Cross Road from agrahara Layout Main Road to 3rd Main							
	Ch:0.00m to 30.00m		1	30.00	(4.60 + 4.40)/2	0.04	5.40	
	Ch:30.00m to 60.00m		1	30.00	(4.40 + 4.30)/2	0.04	5.22	
	Ch:60.00m to 90.00m		1	30.00	(4.30 + 4.30)/2	0.04	5.16	
	Ch:90.00m to 120.00m		1	30.00	(4.30 + 4.60)/2	0.04	5.34	
	Ch:120.00m to 147.60m		1	27.60	(4.60 + 4.70)/2	0.04	5.13	C/R4th Mn
	Ch:151.90m to 181.90m		1	30.00	(4.00 + 4.20)/2	0.04	4.92	
	Ch:181.90m to 212.60m 3rd Main		1	30.70	(4.20 + 4.00)/2	0.04	5.03	
	12th Cross Road from dead end to agrahara Layout Main Road							
	Ch:0.00m to 30.00m		1	30.00	(4.00 + 3.50)/2	0.04	4.50	
	Ch:30.00m to 60.00m		1	30.00	(3.50 + 3.80)/2	0.04	4.38	
	Ch:60.00m to 90.00m		1	30.00	(3.80 + 4.00)/2	0.04	4.68	
	Ch:90.00m to 120.00m		1	30.00	(4.00 + 3.50)/2	0.04	4.50	

E.E. (Project)

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EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

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Asst Engineer

Newzen Consultants Bangalore

Consultant (PMC)

Asst Executive Engineer

Asst. Executive Engineer
Project Division,
Yelahanka Zone
Bangalore

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch:120.00m to 135.50m		1	15.50	(3.50 + 3.50)/2	0.04	2.17	C/R
	Ch:139.50m to 169.50m		1	30.00	(4.70 + 4.00)/2	0.04	5.22	
	Ch:169.50m to 196.50m		1	27.00	(4.00 + 4.30)/2	0.04	4.48	C/R 2nd Mn
	Ch:201.50m to 231.50m		1	30.00	(3.80 + 4.00)/2	0.04	4.68	
	Ch:231.50m to 258.50m		1	27.00	(4.00 + 3.80)/2	0.04	4.21	C/r 3rd Mn
	Ch:263.50m to 293.50m		1	30.00	(4.00 + 4.50)/2	0.04	5.10	
	Ch:293.50m to 323.50		1	30.00	(4.50 + 4.50)/2	0.04	5.40	C/r 4th Mn
	Ch:328.20m to 358.20m		1	30.00	(4.60 + 4.30)/2	0.04	5.34	
	Ch:358.20m to 387.20m		1	29.00	(4.30 + 4.40)/2	0.04	5.05	C/r 5th Mn
	Ch:391.70m to 421.70m		1	30.00	(4.60 + 4.20)/2	0.04	5.28	
	Ch:421.70m to 451.70m		1	30.00	(4.20 + 4.40)/2	0.04	5.16	
	Ch:451.70m to 481.70m		1	30.00	(4.40 + 4.60)/2	0.04	5.40	
	Ch:481.70m to 511.70m		1	30.00	(4.60 + 5.50)/2	0.04	6.06	
	13th Cross Road from agrahara Layout Main Road to 3rd Main							
	Ch:0.00m to 30.00m		1	30.00	(5.40 + 5.20)/2	0.04	6.36	
	Ch:30.00m to 60.00m		1	30.00	(5.20 + 5.20)/2	0.04	6.24	
	Ch:60.00m to 90.00m		1	30.00	(5.20 + 4.80)/2	0.04	6.00	
	Ch:90.00m to 96.60m		1	6.60	(4.80 + 4.50)/2	0.04	1.23	C/R 6th Mn
	Ch:100.90m to 130.90m		1	30.00	(4.70 + 4.70)/2	0.04	5.64	
	Ch:130.90m to 156.90m		1	26.00	(4.70 + 4.60)/2	0.04	4.84	C/R 5th Mn
	Ch:161.70m to 191.70m		1	30.00	(4.70 + 4.80)/2	0.04	5.70	
	Ch:191.70m to 220.70m		1	29.00	(3.80 + 4.30)/2	0.04	4.70	C/R 4th Mn
	Ch:225.50m to 255.50m		1	30.00	(4.20 + 5.30)/2	0.04	5.70	
	Ch:255.50m to 285.50m 3rd Mn		1	30.00	(4.00 + 5.30)/2	0.04	5.58	C/r 3rd Mn

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EXECUTIVE ENGINEER-4
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BENGALURU-560 010

Asst Engineer

Bangalore. Newzen Consultants

Consultant (PMC)

Asst Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Item No	Discription of Item		No	Length	Breadth		Depth		
	14th Cross Road from Govt. School to Mn Rd								
	Ch:0.00m to 30.00m		1	30.00	4.10 + 4.60 / 2		0.04	5.22	
	Ch:30.00m to 58.80m		1	28.80	10.40 + 4.40 / 2		0.04	8.52	C/R 5th Mn
	Ch:62.50m to 92.50m		1	30.00	4.50 + 4.00 / 2		0.04	5.10	
	Ch:92.50m to 119.90m		1	27.40	4.00 + 3.50 / 2		0.04	4.11	C/R 6th Mn
	Ch:124.10m to 154.10m		1	30.00	4.00 + 3.70 / 2		0.04	4.62	
	Ch:154.10m to 184.10m		1	30.00	3.70 + 3.80 / 2		0.04	4.50	
	Ch:184.10m to 200.60m		1	16.50	3.80 + 4.00 / 2		0.04	2.57	
	15th Cross Road from Hospital Compound to Govt. School								
	Ch:0.00m to 30.00m		1	30.00	4.60 + 4.60 / 2		0.04	5.52	
	Ch:30.00m to 60.00m		1	30.00	4.60 + 4.30 / 2		0.04	5.34	
	Ch:60.00m to 70.30m		1	10.30	4.30 + 4.50 / 2		0.04	1.81	C/R 6th Mn
	Ch:74.90m to 104.90m		1	30.00	4.30 + 4.70 / 2		0.04	5.40	
	Ch:104.90m to 132.30m		1	27.40	4.70 + 4.60 / 2		0.04	5.10	C/R 5th Mn
	Ch:137.20m to 167.20m		1	30.00	4.90 + 5.10 / 2		0.04	6.00	
	Ch:167.20m to 195.20m		1	28.00	5.10 + 5.30 / 2		0.04	5.82	
	16th Cross Road from Govt. School to End								
	Ch:0.00m to 30.00m		1	30.00	4.70 + 4.60 / 2		0.04	5.58	
	Ch:30.00m to 58.00m		1	28.00	4.60 + 4.10 / 2		0.04	4.87	C/R 5th Mn
	Ch:62.50m to 92.50m		1	30.00	3.70 + 4.50 / 2		0.04	4.92	
	Ch:92.50m to 120.50m		1	28.00	4.50 + 5.20 / 2		0.04	5.43	C/R 6th Mn
	Ch:125.30m to 155.30m		1	30.00	5.20 + 4.50 / 2		0.04	5.82	
	Ch:155.30m to 185.30m		1	30.00	4.50 + 4.30 / 2		0.04	5.28	
	Ch:185.30m to 198.30m		1	13.00	4.30 + 4.80 / 2		0.04	2.37	

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EXECUTIVE ENGINEER-4
KMC, KRIDL, BMP DIVISION
BENGALURU-560 010

Asst Engineer

Consultant (PMC)

Asst Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	17th Cross Road from dead end to 3rd Main							
	Ch:0.00m to 30.00m		1	30.00	$\frac{4.30 + 5.00}{2}$	0.04	5.58	
	Ch:30.00 to 55.00m		1	25.00	$\frac{5.00 + 4.40}{2}$	0.04	4.70	
	Ch:55.00m to 59.00m		1	4.00	$\frac{4.40 + 4.00}{2}$	0.04	0.67	C/R 6th Mn
	Ch:63.60m to 93.60m		1	30.00	$\frac{4.10 + 4.10}{2}$	0.04	4.92	
	Ch:93.60m to 118.60m		1	25.00	$\frac{4.10 + 4.20}{2}$	0.04	4.15	
	Ch:118.60m to 121.60m		1	3.00	$\frac{9.30 + 3.80}{2}$	0.04	0.79	C/R 5th Mn
	Ch:126.10m to 156.10m		1	30.00	$\frac{4.60 + 3.80}{2}$	0.04	5.04	
	Ch:156.10m to 183.80m		1	27.70	$\frac{3.80 + 4.00}{2}$	0.04	4.32	C/R 4th Mn
	Ch:188.40m to 218.40m		1	30.00	$\frac{3.80 + 4.20}{2}$	0.04	4.80	
	Ch:218.40m to 248.40m		1	30.00	$\frac{4.20 + 4.00}{2}$	0.04	4.92	
	19th Cross Road from dead end to 3rd Main							
	Ch:0.00m to 30.00m		1	30.00	$\frac{4.00 + 4.50}{2}$	0.04	5.10	
	Ch:30.00m to 60.00m		1	25.80	$\frac{4.50 + 4.30}{2}$	0.04	4.54	C/R 4th Mn
	Ch:65.40m to 95.40m		1	30.00	$\frac{4.30 + 4.00}{2}$	0.04	4.98	
	Ch:95.40m to 123.40m		1	30.00	$\frac{4.00 + 4.00}{2}$	0.04	4.80	C/R 5th Mn
	Ch:127.60m to 151.60m		1	24.00	$\frac{4.00 + 4.00}{2}$	0.04	3.84	
	20th Cross Road from 6th Main to 3rd Main							
	Ch:0.00m to 30.00m		1	30.00	$\frac{3.70 + 4.60}{2}$	0.04	4.98	
	Ch:30.00m to 39.50m		1	9.50	$\frac{4.60 + 4.50}{2}$	0.04	1.73	C/R 5th Mn
	Ch:44.40m to 74.40m		1	30.00	$\frac{4.50 + 4.10}{2}$	0.04	5.16	
	Ch:74.40m to 104.40m		1	30.00	$\frac{4.10 + 4.30}{2}$	0.04	5.04	
	4th Main Road							
	Ch:0.00m to 30.00m		1	30.00	$\frac{4.80 + 4.60}{2}$	0.04	5.64	

E.E. (Project)

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

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Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch:30.00m to 60.00m		1	30.00	$\frac{4.60 + 5.20}{2}$	0.04	5.88	
	Ch:60.00m to 90.00m		1	30.00	$\frac{5.20 + 4.70}{2}$	0.04	5.94	
	Ch:90.00m to 120.00m		1	30.00	$\frac{4.70 + 4.60}{2}$	0.04	5.58	
	Ch:120.00m to 150.00m		1	30.00	$\frac{4.60 + 4.00}{2}$	0.04	5.16	
	Ch:150.00m to 180.00m		1	30.00	$\frac{4.00 + 4.30}{2}$	0.04	4.98	
	Ch:180.00m to 210.00m		1	30.00	$\frac{4.30 + 4.60}{2}$	0.04	5.34	
	Ch:210.00m to 240.00m		1	30.00	$\frac{4.60 + 4.50}{2}$	0.04	5.46	
	Ch:240.00m to 270.00m		1	30.00	$\frac{4.50 + 4.60}{2}$	0.04	5.46	
	Ch:270.00m to 300.00m		1	30.00	$\frac{4.60 + 4.20}{2}$	0.04	5.28	
	Ch:300.00m to 330.00		1	30.00	$\frac{4.20 + 4.10}{2}$	0.04	4.98	
	Ch:330.00m to 360.00m		1	30.00	$\frac{4.10 + 4.20}{2}$	0.04	4.98	
	Ch:360.00m to 384.00m		1	24.00	$\frac{4.20 + 4.20}{2}$	0.04	4.03	
	5th Main Road from 11th cross road to dead end							
	Ch:0.00m to 30.00m		1	30.00	$\frac{5.50 + 4.50}{2}$	0.04	6.00	
	Ch:30.00m to 60.00m		1	30.00	$\frac{4.50 + 4.80}{2}$	0.04	5.58	
	Ch:60.00m to 90.00m		1	30.00	$\frac{4.80 + 3.80}{2}$	0.04	5.16	
	Ch:90.00m to 120.00m		1	30.00	$\frac{3.80 + 4.80}{2}$	0.04	5.16	
	Ch:120.00m to 150.00m		1	30.00	$\frac{4.80 + 4.00}{2}$	0.04	5.28	
	Ch:150.00m to 180.00m		1	30.00	$\frac{4.00 + 4.50}{2}$	0.04	5.10	
	Ch:180.00m to 210.00m		1	30.00	$\frac{4.50 + 4.00}{2}$	0.04	5.10	
	Ch:210.00m to 228.00m		1	18.00	$\frac{4.00 + 4.90}{2}$	0.04	3.20	
	6th Main Road from 18th cross road							
	Ch:0.00m to 30.00m		1	30.00	$\frac{5.20 + 4.20}{2}$	0.04	5.64	
	Ch:30.00m to 60.00m		1	30.00	$\frac{4.20 + 4.70}{2}$	0.04	5.34	

E.E. (Project)

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EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

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Asst Engineer

Bangalore. Newzen Consultants

Consultant (PMC)

Asst Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch:60.00m to 90.00m		1	30.00	(4.70 + 4.60)/2	0.04	5.58	
	Ch:90.00m to 120.00m		1	30.00	(4.60 + 4.20)/2	0.04	5.28	
	Ch:120.00m to 150.00m		1	30.00	(4.20 + 4.40)/2	0.04	5.16	
	Ch:150.00m to 178.50m		1	28.50	(4.40 + 4.20)/2	0.04	4.90	
	13th Cross Road from North end to 3rd Main Road							
	Ch:0.00m to 30.00m		1	30.00	(5.00 + 4.40)/2	0.04	5.64	
	Ch:30.00m to 60.00m		1	30.00	(4.40 + 4.30)/2	0.04	5.22	
	Ch:60.00m to 90.00m		1	30.00	(4.30 + 4.00)/2	0.04	4.98	
	Ch:90.00m to 120.00m		1	30.00	(4.00 + 4.45)/2	0.04	5.07	
	Ch:120.00m to 150.00m		1	30.00	(4.45 + 4.40)/2	0.04	5.31	
	Ch:150.00m to 172.60m		1	23.60	(4.40 + 4.50)/2	0.04	4.20	
	14th Cross Road from 3rd Main Road towards north							
	Ch:0.00m to 30.00m		1	30.00	(4.30 + 4.30)/2	0.04	5.16	
	Ch:30.00m to 60.00m		1	30.00	(4.30 + 4.25)/2	0.04	5.13	
			1	30.00	(4.25 + 4.05)/2	0.04	4.98	
	Ch:90.00m to 120.00m		1	30.00	(4.05 + 4.40)/2	0.04	5.07	
	Ch:120.00m to 150.00m		1	30.00	(4.40 + 4.20)/2	0.04	5.16	
	Deduct for Culvert		-5	4.00	1.50	0.04	-1.20	
						Present Qty	**676.93**	**Cum**

E.E. (Project)

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Checked.

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EXECUTIVE ENGINEER-4
KRIDL BBMP DIVISION
BENGALURU-560 010
M/s KRIDL

Asst Engineer
28/8/17

Newzen Consultants Bangalore

Consultant (PMC)

Asst Executive Engineer
Project Division
Yelahanka Zone
Bangalore